AMENDMENTS TO THE CLAIMS

(Currently Amended) A semiconductor multi-chip package comprising: 1. a package substrate including a surface having a plurality of bonding tips formed thereon; and

two or more semiconductor chips mounted on the substrate surface, the two or more semiconductor chips each including:

a semiconductor substrate having integrated circuits formed on a cell region and a peripheral circuit region adjacent to each other;

a bond pad-wiring pattern formed on the semiconductor substrate; and

a pad-rearrangement pattern directly contacting the bond pad-wiring pattern, the padrearrangement pattern including bond pads disposed over at least a part of the cell region[[,]]; <u>and</u>

an insulating layer formed on the pad-rearrangement pattern.

wherein the bond pad-wiring pattern is formed substantially in a center region of the semiconductor substrate,

wherein the bond pads included with the pad-rearrangement pattern are exposed through the insulating layer,

wherein each bonding tip is electrically connected to a corresponding one of the bond pads.

- (Cancelled) 2.
- (Original) The multi-chip package of claim 1, wherein the two or more chips 3. are vertically stacked.
- (Original) The multi-chip package of claim 1, wherein the two or more chips 4. comprise the same type of chips.
 - (Cancelled) 5.
- (Original) The multi-chip package of claim 1, wherein one of the two or more chips is a memory chip and the other chip is a non-memory chip.

- 7. (Original) The multi-chip package of claim 1, wherein one of the two or more chips is a DRAM and the other chip is a flash memory.
- 8. (Original) The multi-chip package of claim 1, wherein the bond pads are formed along sides of the semiconductor substrate.
- 9. (Original) The multi-chip package of claim 1, wherein a portion of the padrearrangement pattern extends substantially from the center region of the semiconductor substrate toward an edge of the semiconductor substrate.
- 10. (Previously presented) The multi-chip package of claim 1, wherein the bond pad-wiring pattern is formed on a portion of the peripheral circuit region and extends across a portion of the cell region.
- 11. (Original) The multi-chip package of claim 1, wherein the bond pad-wiring pattern is formed entirely within the peripheral circuit region.

12-23. (Cancelled)

- 24. (Previously presented) A multi-chip package comprising:
- a first chip; and
- a second chip formed over the first chip,
- wherein the first chip includes:
- a bond pad-wiring pattern formed substantially in a center region of the first chip;
- a pad-rearrangement pattern directly contacting the bond pad-wiring pattern; and
- an insulating layer formed on the pad-rearrangement pattern,
- wherein the pad-rearrangement pattern includes a first bond pad disposed at an edge of the first chip,

wherein the first bond pad is exposed through the insulating layer.

25. (Previously presented) The multi-chip package of claim 24, wherein the padrearrangement pattern includes a second bond pad, and wherein the first and second bond pads are respectively disposed along opposing edges of the first chip.

- 26. (Previously presented) The multi-chip package of claim 25, wherein the padrearrangement pattern extends substantially from the center region of the first chip toward the edge of the first chip.
- 27. (Previously presented) The multi-chip package of claim 24, wherein the bond pad-wiring pattern is formed on a first surface of the first chip, and wherein the second chip is mounted on the first surface of the first chip.
- 28. (Previously presented) The multi-chip package of claim 27, further comprising a spacer interposed between the first chip and the second chip.
- 29. (Previously presented) The multi-chip package of claim 24, further comprising a substrate on which the first chip is mounted.
- 30. (Previously presented) The multi-chip package of claim 29, wherein the substrate comprises a printed circuit board, a tape wiring substrate or a lead frame.

31-32. (Cancelled)

- 33. (Previously presented) The multi-chip package of claim 24, wherein the first bond pad disposed at an edge of the first chip is also disposed to be under the second chip.
- 34. (Previously presented) The multi-chip package of claim 24, wherein the first and second chips comprise the same type of chips.

35. (Cancelled)

- 36. (Currently Amended) A multi-chip package comprising:
- a first lower chip; and
- a second an upper chip formed over the first lower chip, wherein the second upper chip includes:
- a second an upper bond pad-wiring pattern formed substantially in a center region of the second upper chip;

a second an upper pad-rearrangement pattern directly contacting the second upper bond pad-wiring pattern; and

a second an upper insulating layer formed on the second upper pad-rearrangement pattern,

wherein the second <u>upper</u> pad-rearrangement pattern includes a second <u>upper</u> bond pad disposed at an edge of the second <u>upper</u> chip,

wherein the second upper bond pad is exposed through the second upper insulating layer.

- 37. (Currently Amended) The multi-chip package of claim 36, wherein the first lower chip includes:
- a first lower bond pad-wiring pattern formed substantially in a center region of the first lower chip; and
- a first lower pad-rearrangement pattern electrically connected to the first lower bond pad-wiring pattern, wherein the first lower pad-rearrangement pattern includes a first lower bond pad disposed at an edge of the first lower chip.
- 38. (Currently Amended) The multi-chip package of claim 37, wherein the first lower bond pad-wiring pattern is formed on a first surface of the first lower chip, and wherein the second upper chip is mounted on the first surface of the first lower chip.
 - 39. (Cancelled)
- 40. (Currently Amended) The multi-chip package of claim 36, further comprising a substrate on which the first lower chip is mounted.
 - 41. (Cancelled)
- 42. (Currently Amended) The multi-chip package of claim 40, wherein the first lower chip includes a center pad-type bond pad.
 - 43-46. (Cancelled)
 - 47. (Currently Amended) A semiconductor multi-chip package comprising:

a first chip mounted on a package substrate; and

a second chip mounted on the first chip with a spacer disposed therebetween, wherein the first chip includes:

bond pad-wiring patterns formed substantially in a center region of the first chip; pad-rearrangement patterns directly contacting the bond pad-wiring patterns; and insulating layers formed on the pad-rearrangement patterns,

wherein the pad-rearrangement patterns include bond pads disposed along opposing edges of the first chip, wherein the spacer is placed between the bond pads,

wherein the bond pads included with the pad-rearrangement patterns are exposed through the insulating layers.

- (Previously presented) The semiconductor multi-chip package of claim 47, 48. wherein the spacer is disposed over the bond pad-wiring patterns formed substantially in a center region of the first chip.
- (Previously presented) The semiconductor multi-chip package of claim 48, 49. wherein each bonding tip is electrically connected to a corresponding one of the bond pads through a bonding wire.
- (Previously presented) The semiconductor multi-chip package of claim 49, 50. wherein the two or more chips comprise at least a lower chip and an upper chip, the upper chip disposed over the lower chip, and wherein the spacer provides a sufficient space between the lower chip and the upper chip for the bonding wire to connect the lower chip with the package substrate.
- (Previously presented) The semiconductor multi-chip package of claim 1, 51. wherein the cell region comprises a memory cell array region.
 - (Cancelled) 52.
 - (Cancelled) 53.